

Density Problems

The density of Lead (Pb) is 11.35 g/cm^3 . If you have a block of lead that is 3.00 cm high, 15.00 cm long, and 6.00 cm wide, how much mass does it have?

A bottle of mercury (Hg) has a mass of 176.8 grams and has a volume of 13.0 ml. What is the density of mercury?

How much does 25.0 ml of gasoline weigh if the density of gas is 0.670 g/ml ?

Calculate the density of a sample of copper if it has a mass of 13.0 g and 1.46 cm^3 ?

A cylinder of copper (Cu) has a diameter of 1.00 cm and a height of 6.00 cm. What is the cylinder's mass?

What would the volume be of a beaker of ethanol be if it had a mass of 500. g. (D of ethanol is 0.806 g/ml)